

WHAT IS CLAIMED IS:

1. A data communication system, comprising:
a target having an image pickup unit;
a controller for remote-operating said image
5 pickup unit;
a data line for connecting said target and said
controller, said data line supporting a first
communication mode and a second communication mode; and
a control command for setting a predetermined area
10 in an image outputted by said image pickup unit,
wherein said target transmits said image by using
said first communication mode, and said controller
transmits said control command by using second
communication mode.
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2. A data communication system according to claim
1,
wherein said control command sets in said image
any one of an area of a rectangular shape, an area of a
20 circular shape, an area of a polygonal shape, and an
area of one pixel unit.
3. A data communication system according to claim
1, further comprising:
25 a second control command for controlling at least
one of focus, exposure, white balance, and digital zoom
of said image pickup unit based on the area set in said

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Image.

4. A data communication system according to claim 1, further comprising:

5 a status command for inquiring a state of the area set in said image.

5. A data communication system according to claim 1,

10 wherein said first communication mode and said second communication mode are executed in time division.

6. A data communication system according to claim 1,

15 wherein in one communication cycle period, said first communication mode has a higher priority than said second communication mode.

7. A data communication system according to claim 1,

20 wherein said first communication mode is executed each one communication cycle period.

8. A data communication system according to claim 1,

25 wherein said first communication mode is an

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Isosynchronous transfer mode, and said second communication mode is an Asynchronous transfer mode.

9. A data communication system according to claim
5 1,

wherein said target is a camera integrated type digital video recorder.

10. A data communication system according to
claim 1,
wherein said data line conforms to IEEE 1394-1995
standards.

11. A data communication control method,
15 comprising the steps of:
transmitting, by a target, an image outputted by
an image pickup unit using a first communication mode
supported by a data line; and

transmitting, by a controller, a control command
20 for setting a predetermined area in said image to said
target using a second communication mode supported by
said data line, said controller remote-operating said
image pickup unit.

25 12. An electronic apparatus, comprising:
an image pickup unit for outputting an image; and
communication means for communicating with a

controller connected to a data line, said controller remote-operating said image pickup unit, said data line supporting a first communication mode and a second communication mode,

5 wherein said communication means transmits said image by using said first communication mode, and receives a control command from said controller by using second communication mode, and said image pickup unit sets a predetermined area in said image based on
10 said control command.

13. A data communication control method, comprising the steps of:

15 transmitting an image from an image pickup unit by using a first communication mode supported by a data line; and

 receiving a control command for setting a predetermined area in said image by using a second communication mode supported by said data line,
20 transmitting said control command by a controller to remote-operate said image pickup unit.

14. An electronic apparatus, comprising:

25 means for remote-operating an image pickup unit of a target connected to a data line, said data line supporting a first communication mode and a second communication mode; and

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communication means for transmitting a control command for setting a predetermined area in an image outputted by said image pickup unit, said image being transmitted using said first communication mode,

5 wherein said communication means transmits said control command by using said second communication mode.

10 15. A data communication system, comprising:
a target having a display unit;
a controller for remote-operating said display unit;

15 a data line for connecting said target and said controller, the data line supporting a first communication mode and a second communication mode; and

a control command for regulating an image displayed by said display unit,

20 wherein said target receives said image by using said first communication mode, and said controller transmits said control command by using said second communication mode.

16. A data communication control method, comprising the steps of:

25 receiving, by a target, an image displayed by a display unit using a first communication mode supported by a data line; and

transmitting, by a controller, a control command for regulating said image to said target using a second communication mode supported by said data line, said controller remote-operating said display unit.

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17. An electronic apparatus, comprising:
a display unit for displaying an image; and
communication means for communicating with a
controller connected to a data line, said controller
remote-operating said display unit, said data line
supporting a first communication mode and a second
communication mode,

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wherein said communication means receives said
image by using said first communication mode, and
receives a control command from said controller by
using said second communication mode, and wherein said
display unit regulates said image based on said control
command.

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18. A data communication control method,
comprising the steps of:

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receiving an image displayed by a display unit
using a first communication mode supported by a data
line; and
receiving a control command for regulating said
image using a second communication mode supported by
said data line, transmitting said control command by a

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controller to remote-operate said display unit.

19. An electronic apparatus, comprising:

5 means for remote-operating a display unit of a
target connected to a data line, said data line
supporting a first communication mode and a second
communication mode; and

10 communication means for transmitting a control
command for regulating an image displayed by said
display unit, said image being transmitted using said
first communication mode,

15 wherein said communication means transmits said
control command by using said second communication
mode.

20. A data communication system, comprising:

a target having an image pickup unit;

a controller for remote-operating said image
pickup unit;

20 a data line for connecting said target and said
controller, the data line supporting a first
communication mode and a second communication mode; and

a control command for regulating an image
outputted by said image pickup unit,

25 wherein said target transmits said image by using
said first communication mode, and said controller
transmits said control command by using said second

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Communication mode.

21. A data communication control method,
comprising the steps of:

5 transmitting, by a target, an image outputted by
an image pickup unit using a first communication mode
supported by a data line; and

10 transmitting, by a controller, a control command
for regulating said image using a second communication
mode supported by said data line, said controller
remote-operating said image pickup unit.

22. An electronic apparatus, comprising:
an image pickup unit for outputting an image; and
15 communication means for communicating with a
controller connected to a data line, said controller
remote-operating said image pickup unit, said data line
supporting a first communication mode and a second
communication mode,

20 wherein said communication means transmits said
image by using said first communication mode, and
receives a control command from said controller by
using said second communication mode, and said image
pickup unit regulates said image based on said control
25 command.

23. A data communication control method,

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~~transmitting an image outputted by an image pickup unit using a first communication mode supported by a data line; and~~

5 receiving a control command for regulating said
image using a second communication mode supported by
said data line, transmitting said control command by a
controller to remote-operate said image pickup unit.

means for remote-operating an image pickup unit of a target connected to a data line, said data line supporting a first communication mode and a second communication mode; and

15 communication means for transmitting a control
command for regulating an image outputted by said image
pickup unit, said image being transmitted using said
first communication mode,

wherein said communication means transmits said
20 control command by using the second communication mode.